

4.2.D. 0601010205.

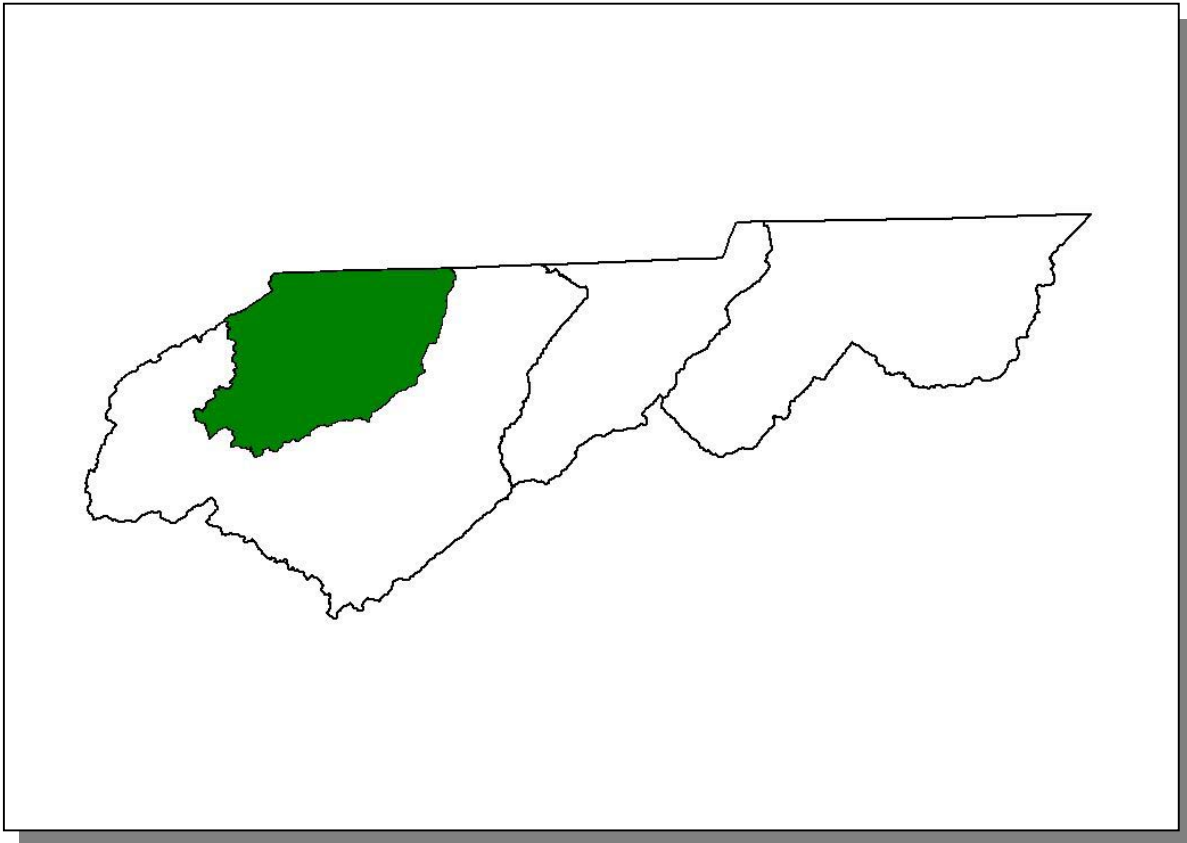


Figure 4-25. Location of Subwatershed 0601010205. The Group 2 portion of the Tennessee portion of the SF Holston HUC-10 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

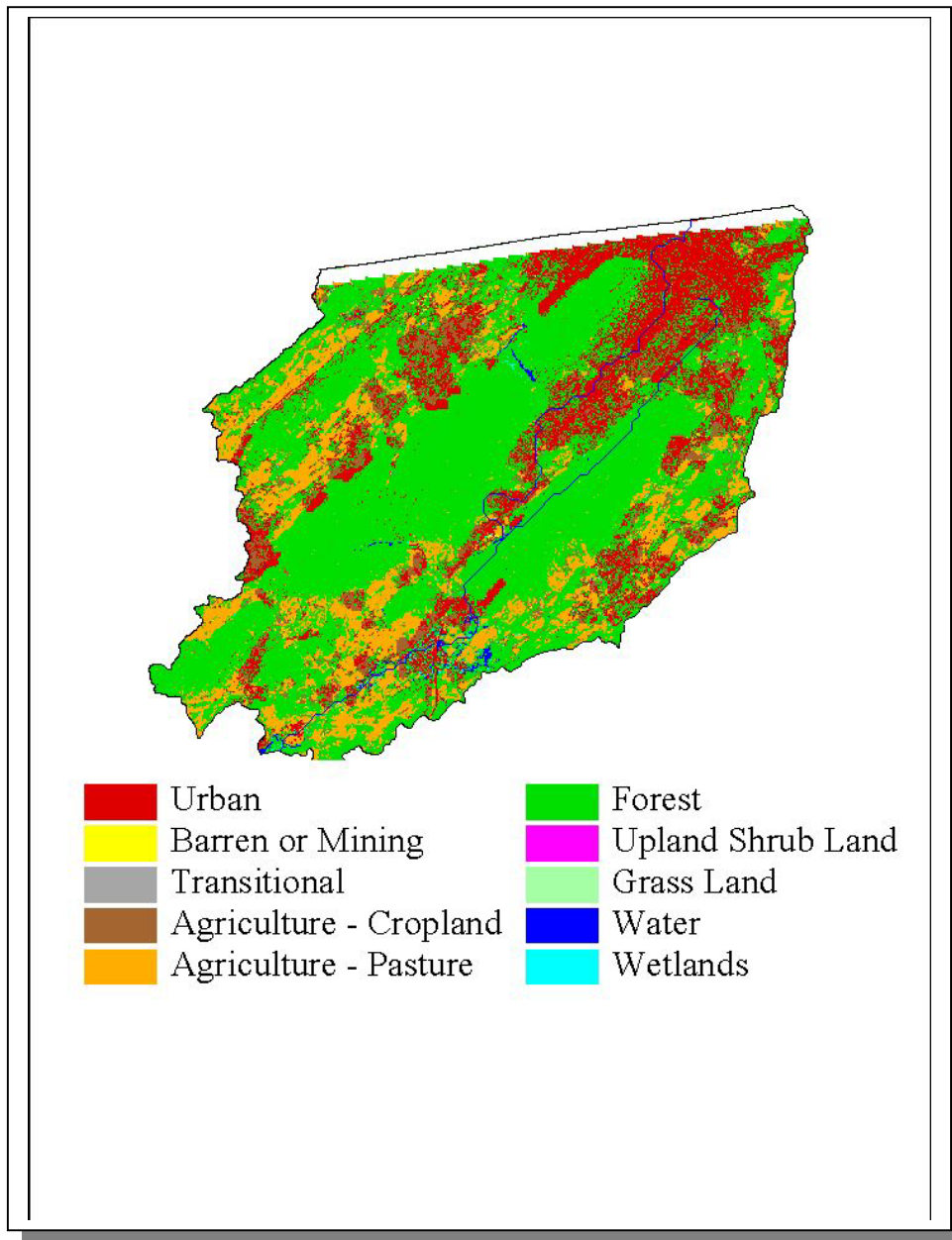


Figure 4-26. Illustration of Land Use Distribution in Subwatershed 0601010205.

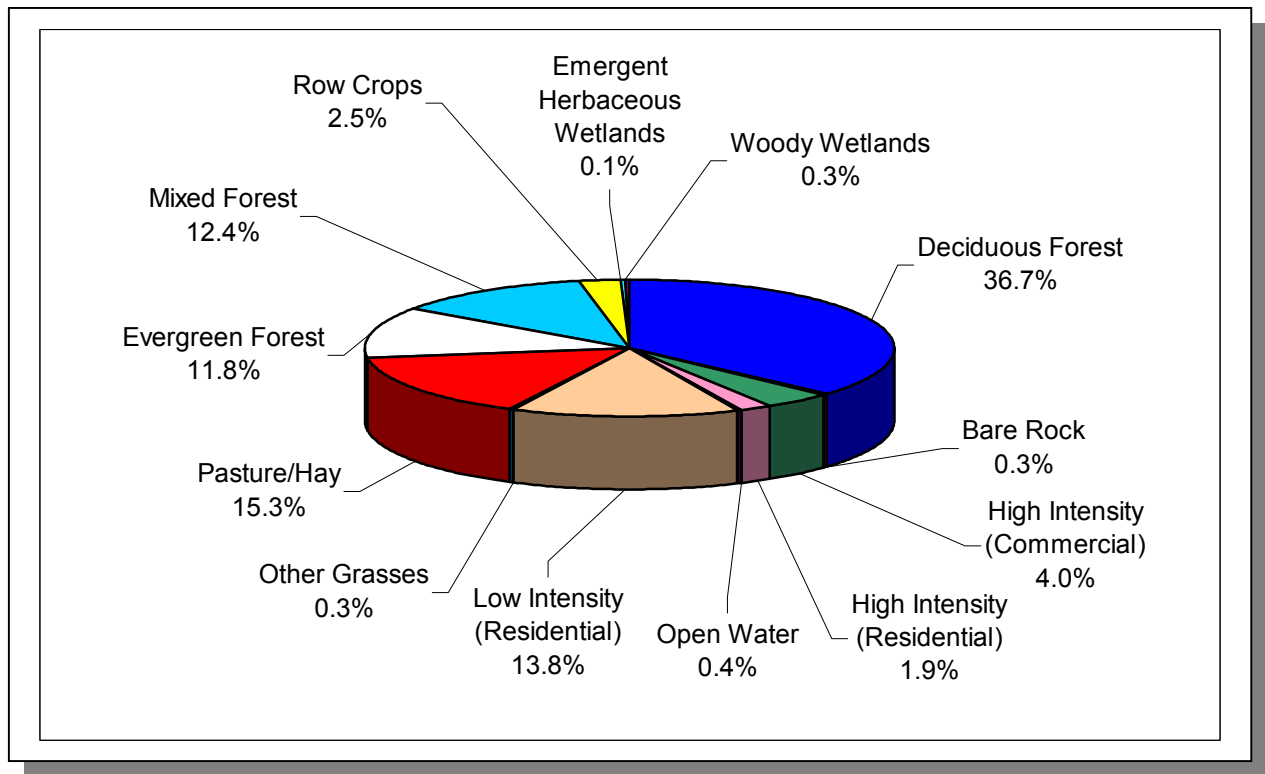


Figure 4-27. Land Use Distribution in Subwatershed 0601010205. More information is provided in SF Holston-Appendix IV.

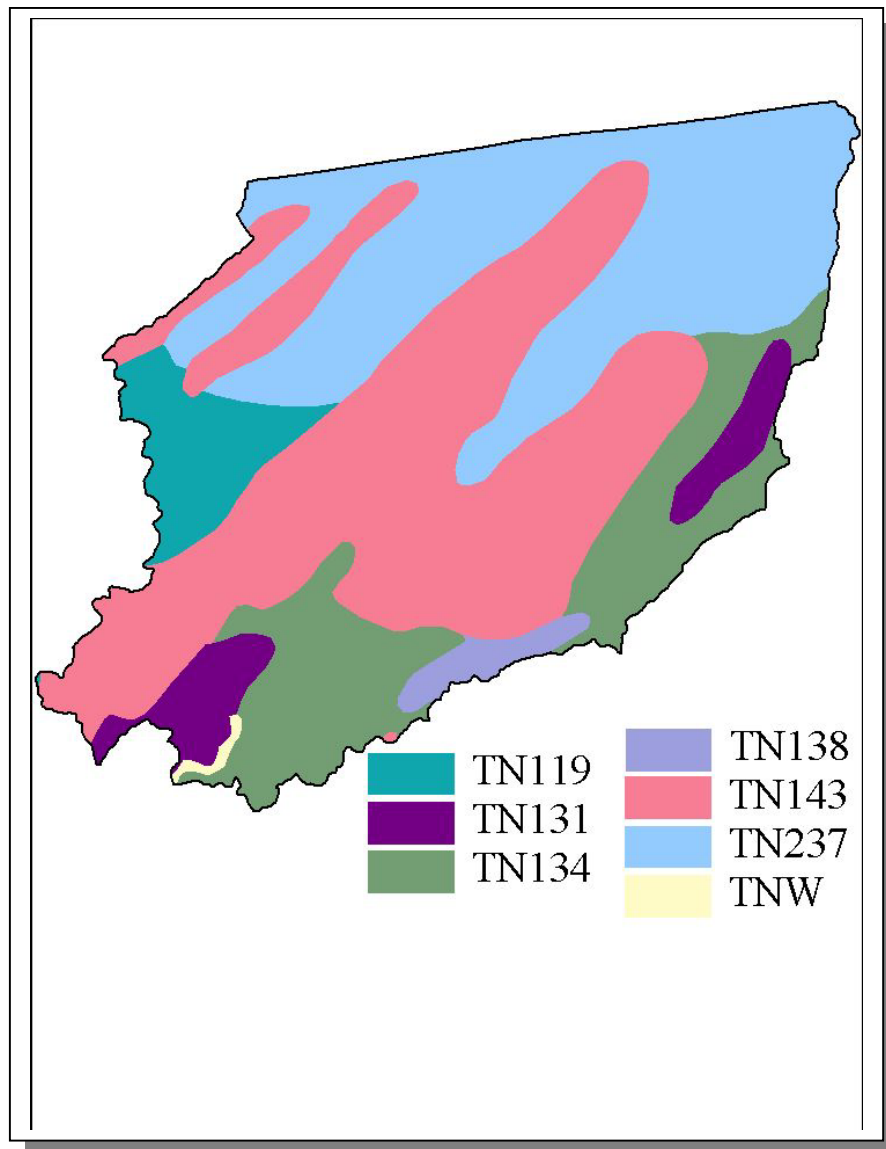


Figure 4-28. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0601010205. TNW, lake area.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN119	0.00	C	1.08	5.15	Loam	0.33
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN134	0.00	B	1.38	5.18	Loam	0.31
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN143	0.00	C	1.22	6.44	Loam	0.32
TN237	0.00	B	3.36	5.40	Silty Loam	0.32

Table 4-21. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0601020205. More information is provided in SF Holston-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County						
Sullivan	143,596	150,371	13.25	19,028	19,925	4.7

Table 4-22. Population Estimates in Subwatershed 0601010205.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Bristol	Sullivan	23,421	10,403	9,751	637	15

Table 4-23. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0601010205.

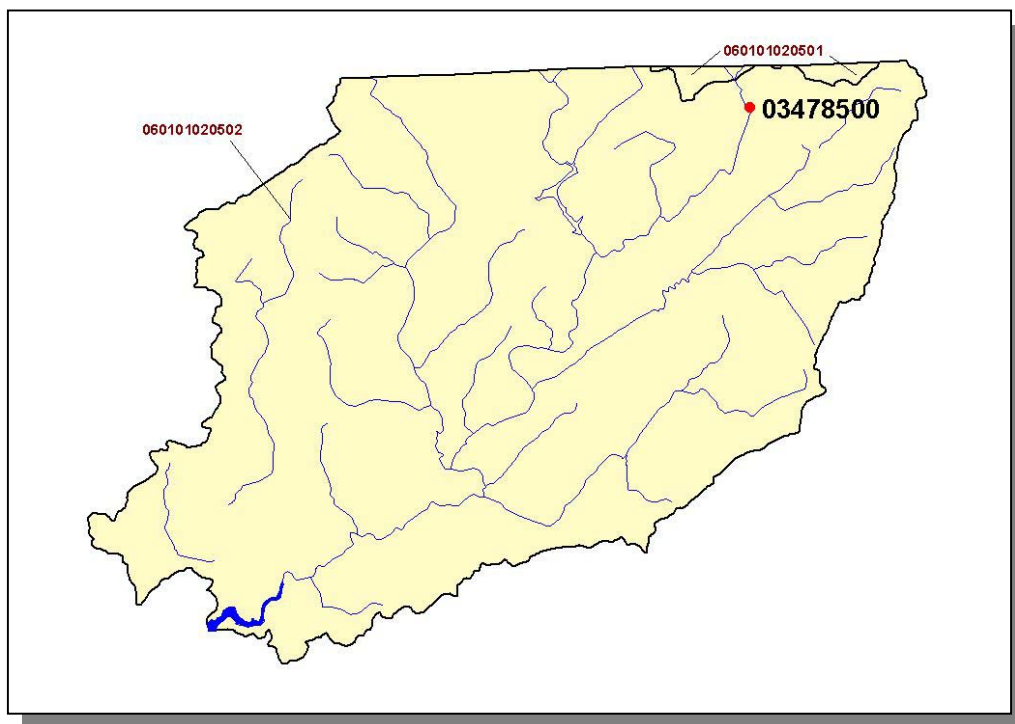


Figure 4-29. Location of Historical Streamflow Data Collection Sites in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

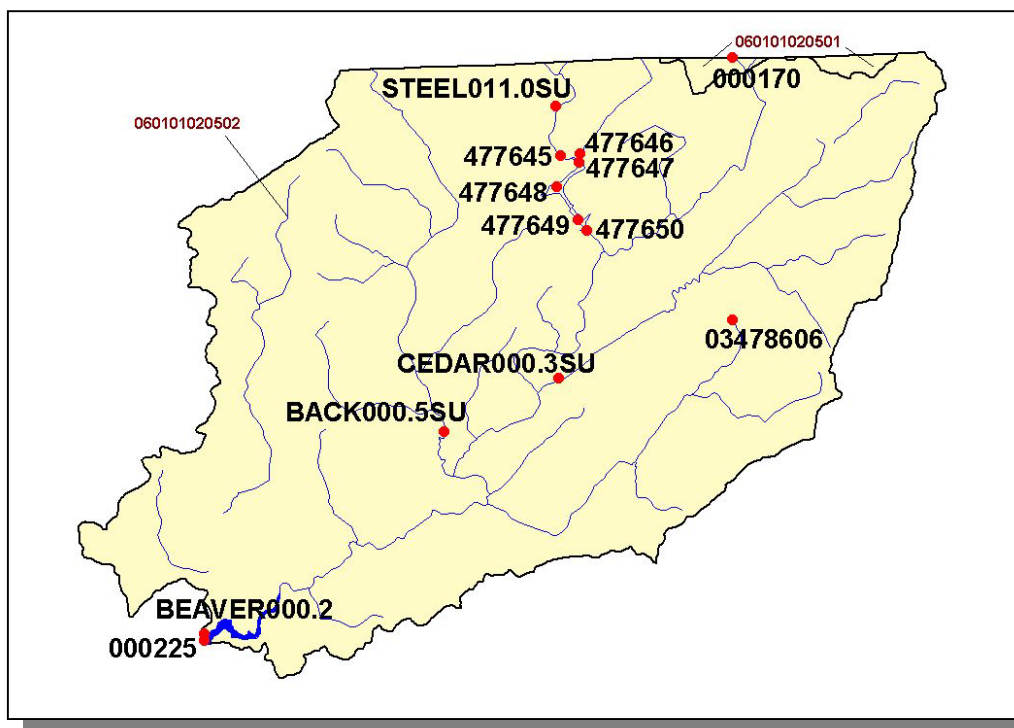


Figure 4-30. Location of STORET Monitoring Sites in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

4.2.D.ii. Point Source Contributions.

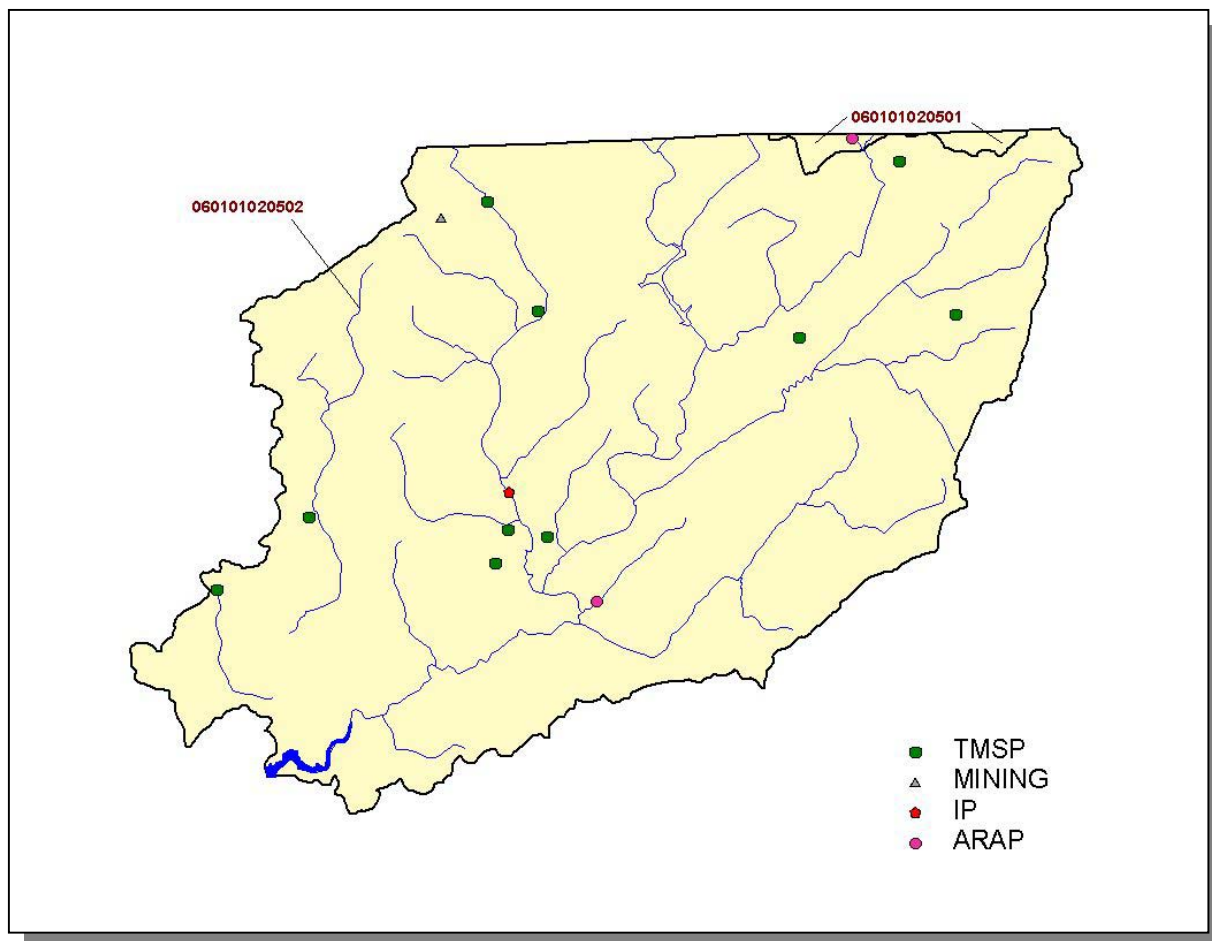


Figure 4-31. Location of Active Point Source Facilities in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in the following figures.

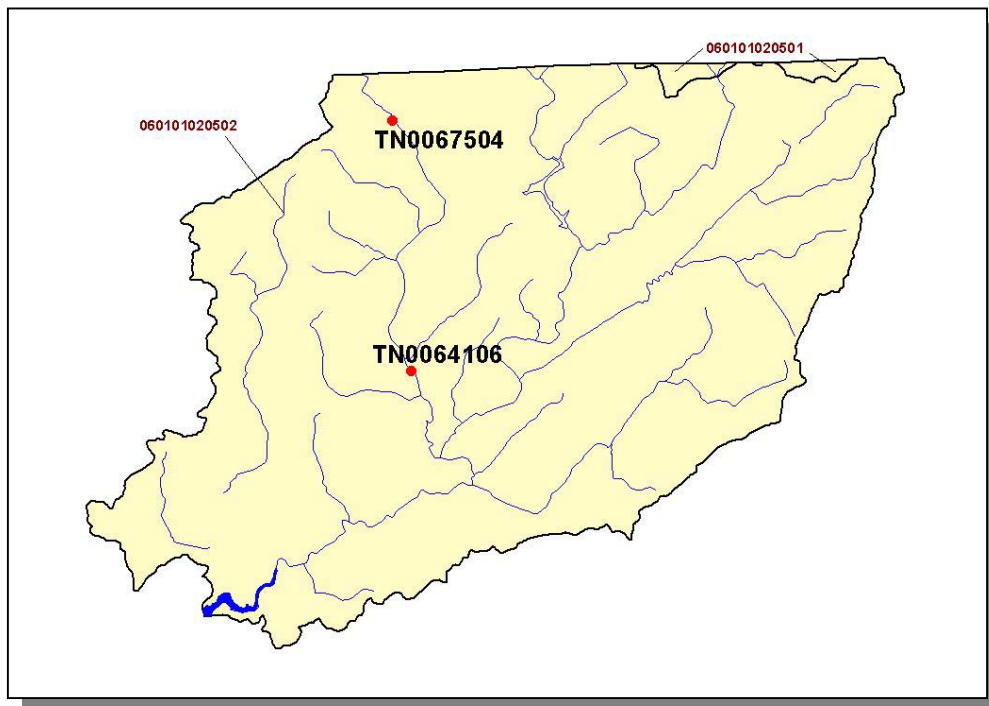


Figure 4-32. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

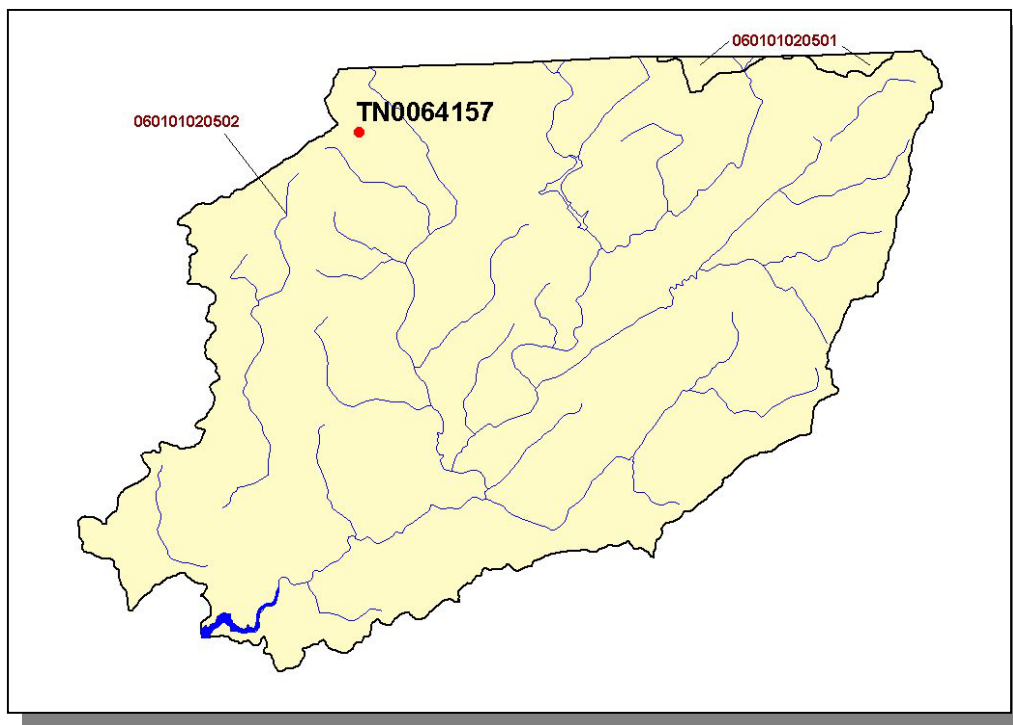


Figure 4-33. Location of Active Mining Sites in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

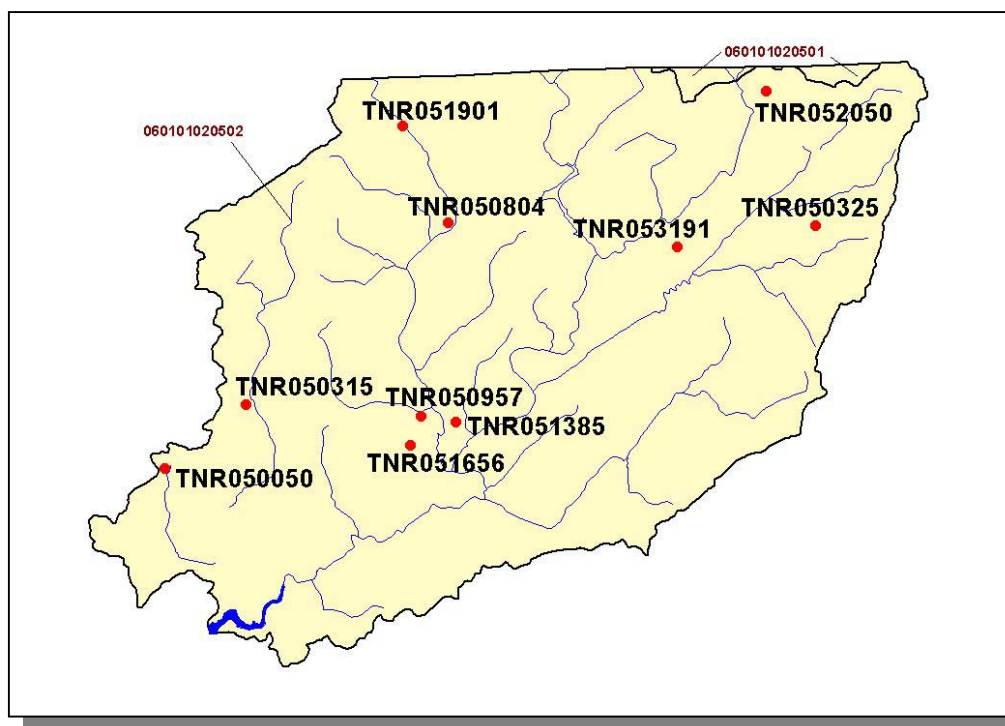


Figure 4-34. Location of TMSP Facilities in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

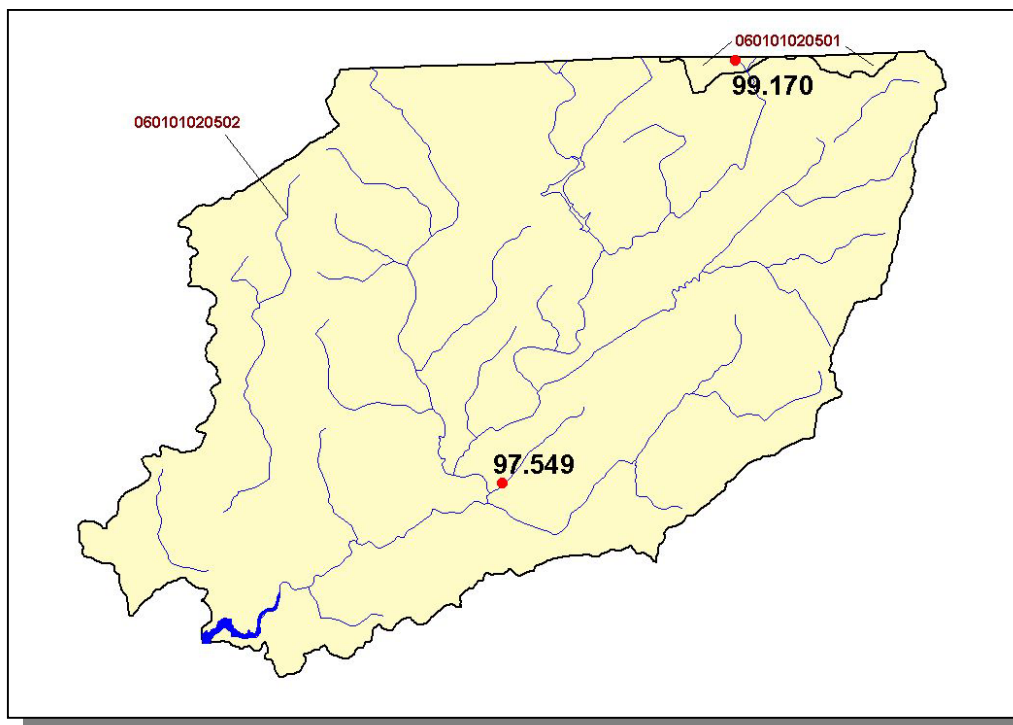


Figure 4-35. Location of ARAP Sites (Individual Permits) in Subwatershed 0601010205. Subwatershed 060101020501 and 060101020502 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

4.2.D.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List

There are two NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 0601010205:

- TN0064106 (Unisys Corp.-Earhart Site) discharges to an unnamed trib of Back Creek @ RM 1.4
- TN0067504 (Maymead Materials) discharges to an unnamed trib of back Creek @ RM 5.5

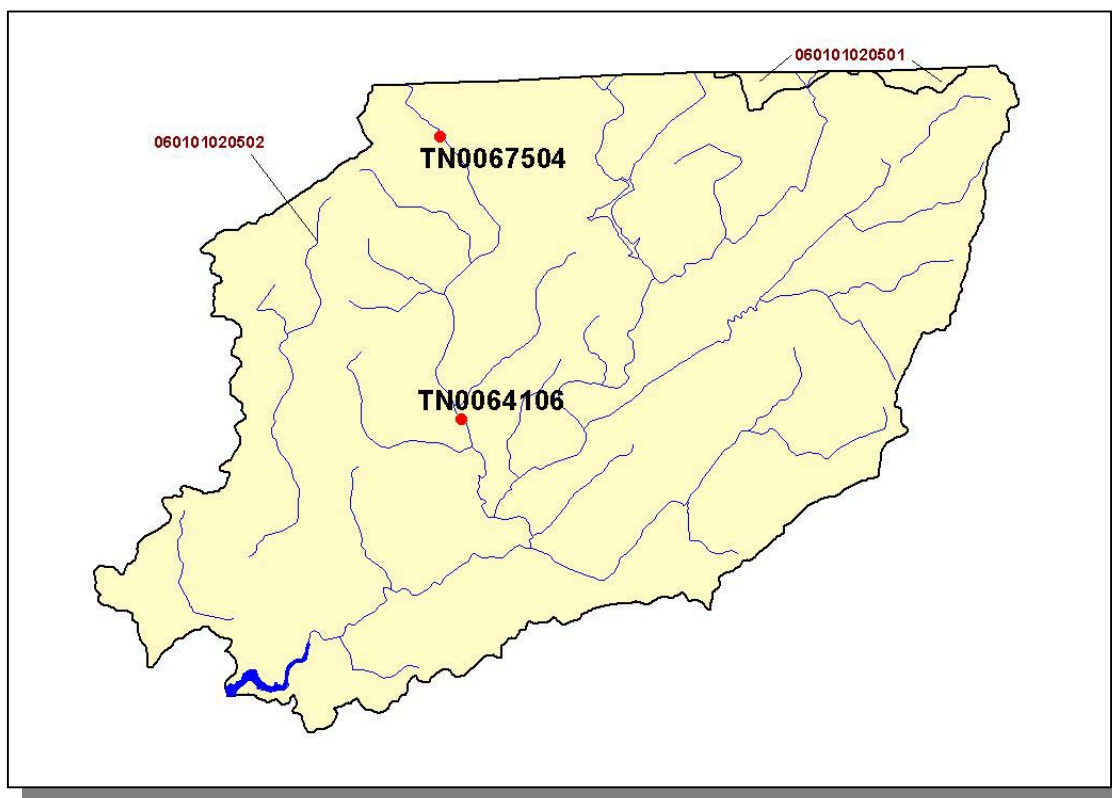


Figure 4-36. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 0601010205. Subwatershed 060101020501, and 060101020502 boundaries are shown for reference. The names of facilities are provided in SF Holston-Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0064106					0.10100
TN0065504					0.03500

Table 4-24. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010205. Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	WET	TSS	pH
TN0064106	X	X	X
TN0067504			X

Table 4-25. Inorganic Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010205. Wet, Whole Effluent Toxicity; TSS, Total Suspended Solids.

PERMIT #	OIL and GREASE	1,2-DICHLOROBENZENE	TOLUENE
TN0064106		X	X
TN0067504	X		

Table 4-26. Organic Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010205.

PERMIT #	75-34-3	75-35-4	156-60-5	79-34-5	71-55-6	79-01-6	127-18-4
TN0064106	X	X	X	X	X	X	X

Table 4-27. Chlorinated Ethanes Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010205. CAS (Chemical Abstract System) Codes: 75-34-3, 1,1-Dichloroethane; 75-35-4, 1,1-Dichloroethene; 156-60-5, 1,2-trans-Dichloroethene; 79-34-5, Tetrachloroethane; 71-55-6, 1,1,1-Trichloroethane; 79-01-6, Trichloroethene; 127-18-4, Tetrachloroethene.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
1,563	126	3,447	<5	12	8

Table 4-28. Summary of Livestock Count Estimates in Subwatershed 0601010205. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Sullivan	123.7	123.7	0.1	0.3

Table 4-29. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0601010205.

CROPS	TONS/ACRE/YEAR
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.35
Non Agricultural Land Use	0.00
Corn (Row Crops)	8.20
Tobacco (Row Crops)	3.62
Grass (Hayland)	0.42
Legume/Grass (Hayland)	0.16
Grass (Pastureland)	1.39
Grass, Forbs, Legumes (Mixed Pasture)	1.61
Other Land in Farms	0.02

Table 4-30. Annual Soil Loss in Subwatershed 0601010205.